AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-32 (Canceled).

33. (New) A cutting tool for materials, in particular made of polyurethane elastomers, which is controllable manually or program-controlled, comprising at least one cutting head (10) with a blade holder (30) and a cutting knife (35) that is stationary or controlled by a driving device (20) so that the blade holder (30) with the cutting knife (35) is movable to-and fro along a cutting head longitudinal axis (L), a feeding pipe (150) is arranged to guide a separating agent (160) to the cutting knife (35) during a cutting operation, which separating agent prevents gluing of the edges of the cut after cutting, wherein the separating agent is a dispersion of waxes or oils and silicones in a solvent mixture, the feeding pipe (150) is placed on the cutting head (10) or in the cutting head (10) and has an outlet end (150b) adjacent the cutting knife (35) or an outlet

opening (156) connecting to a bore hole (155) formed in the cutting knife (35), the outlet openings (156, 150b) lie in the cutting and separating region of the cutting knife (35), the separating agent being fed by the feeding pipe to the cut, the feeding pipe (150) being connected at one end with a micro metering system (170).

34. (New) A cutting tool for materials, in particular made of polyurethane elastomers, which is controllable manually or program-controlled, comprising at least one cutting head (10) with a blade holder (30) and a cutting knife (35) that is stationary or controlled by a driving device (20) so that the blade holder (30) with the cutting knife (35) is movable to-and fro along a cutting head longitudinal axis (L), a feeding pipe (150) is arranged to guide a separating agent (160) to the cutting knife (35) during a cutting operation, which separating agent prevents gluing of the edges of the cut after cutting, wherein the separating agent is a dispersion of waxes or oils and silicones in a solvent mixture, the feeding pipe (150) is placed on the cutting head (10) or in the cutting head (10) and has an outlet end (150b) adjacent the cutting knife (35) or an outlet opening (156) connecting to a bore hole (155) formed in the cutting knife (35), the outlet openings (156, 150b) lie in the

cutting and separating region of the cutting knife (35), the separating agent being fed by the feeding pipe to the cut, the feeding pipe (150) being connected at one end with a micro metering system (170), wherein the separating agent (160) includes, for quality control purposes, an organic or inorganic fluorescent substance (160A) in solid of liquid form and/or a metallic substance (160B) or a substance with metallic properties, for example metal powder, which is clearly distinguishable from plastic under ultrasonic influences or other measuring methods.

35. (New) A cutting tool for materials, in particular made of polyurethane elastomers, which is controllable manually or program-controlled, comprising at least one cutting head (10) with a blade holder (30) and a cutting knife (35) that is stationary or controlled by a driving device (20) so that the blade holder (30) with the cutting knife (35) is movable to-and fro along a cutting head longitudinal axis (L), a feeding pipe (150) is arranged to guide a marking substance to the cutting knife (35) during a cutting operation, the marking substance being, for quality control purposes, an organic or inorganic fluorescent substance (160A) in solid of liquid form and/or a metallic substance (160B) or a substance with metallic

properties, for example metal powder, which is clearly distinguishable from plastic under ultrasonic influences or other measuring methods, the feeding pipe (150) is placed on the cutting head (10) or in the cutting head (10) and has an outlet end (150b) adjacent the cutting knife (35) or an outlet opening (156) connecting to a bore hole (155) formed in the cutting knife (35), the outlet openings (156, 150b) lie in the cutting and separating region of the cutting knife (35), the marking substance being fed by the feeding pipe to the cut, the feeding pipe (150) being connected at one end with a micro metering system (170).

36. (New) A cutting tool according to claim 33, wherein the feeding pipe (150) is configured as a capillary hose (151) which runs into the blade holder (30) and which turns into a bore hole (155) which is formed in the blade holder (30) and the cutting knife (35) and the outlet opening (156) of which lies in the cutting and separating area of the cutting knife (35).

37. (New) A cutting tool according to claim 34, wherein the feeding pipe (150) is configured as a capillary hose (151) which runs into the blade holder (30) and which turns into a bore hole (155) which is formed in the blade holder (30) and the cutting

knife (35) and the outlet opening (156) of which lies in the cutting and separating area of the cutting knife (35).

38. (New) A cutting tool according to claim 35, wherein the feeding pipe (150) is configured as a capillary hose (151) which runs into the blade holder (30) and which turns into a bore hole (155) which is formed in the blade holder (30) and the cutting knife (35) and the outlet opening (156) of which lies in the cutting and separating area of the cutting knife (35).

39. (New) A cutting tool according to claim 33, wherein the outlet opening (156) of the bore hole (155) in the cutting knife (35) lies in a rounded taper (141) in one corner area (142) of the cutting knife (35).

40. (New) A cutting tool according to claim 34, wherein the outlet opening (156) of the bore hole (155) in the cutting knife (35) lies in a rounded taper (141) in one corner area (142) of the cutting knife (35).

41. (New) A cutting tool according to claim 35, wherein the outlet opening (156) of the bore hole (155) in the cutting knife (35) lies in a rounded taper (141) in one corner area (142) of

the cutting knife (35).

42. (New) A method for producing a cut in a material, in particular made of polyurethane elastomers, by using a cutting tool (100) comprising at least one cutting head (10) with a blade holder (30) and a cutting knife (35) displaced in a pulsating cutting movement by a driving device (20) or is stationary in the cutting tool (100) and displaced manually or by robot-controlled devices in a pulling, cut inducing movement or is displaced to produce a pulsating cutting movement in the cutting knife, wherein a separating agent (160) that prevents gluing of the edges of the cut during cutting and/or, for quality control, an inorganic or organic fluorescent substance (160A) or a metallic substance (160B) is provided to the cut made by the cutting knife (35) during the cutting procedure.